Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/28/2018 11:40 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125427	0	1.57	125485	1.54
Blue	F	SSC	125000	122522	-2	1.59	123211	1.58
Blue	E	FITC	15760	15236	-4	2.82	330	22.08
Blue	D	PE	25880	25134	-3	1.89	547	16.77
Blue	B	PerCP-Cy5-5	34075	33738	-1	4.08	1035	22.59
Blue	A	PE-Cy7	22776	22894	0	7.29	557	44.93
Red	C	APC	42488	41657	-2	2.67	1580	13.31
Red	A	APC-Cy7	24478	24078	-2	2.75	832	12.96
Violet	B	V450	6304	6162	-3	4.15	365	18.43
Violet	A	V500	26005	25233	-3	3.68	596	12.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21073	6.36	602	5	N/A	N/A	Pass
Blue	F	SSC	55438	1.14	565	10	N/A	N/A	Pass
Blue	E	FITC	57	75.94	556	0	0.0168	246	Pass
Blue	D	PE	112	59.30	550	1	0.1317	322	Pass
Blue	B	PerCP-Cy5-5	197	55.07	651	4	0.0074	76	Pass
Blue	A	PE-Cy7	109	108.34	704	7	0.0090	18	Pass
Red	C	APC	373	27.47	600	0	0.0195	81	Pass
Red	A	APC-Cy7	206	28.28	572	1	0.0047	905	Pass
Violet	B	V450	65	67.59	484	-5	0.0174	1228	Pass
Violet	A	V500	90	41.01	501	-5	0.0151	955	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.43	-30.75	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.32	13.60 - 20.40	N/A	N/A	30.61	31.27	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9791

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments